

Theo Antoff

51A Rogers Street, Roselands, NSW 2196 Australia

Skype: theoantoff

theo.antoff@gmail.com

z/OS SECURITY ARCHITECT ~ RACF ARCHITECT RACF ANALYST ~ RACF SYSTEMS PROGRAMMER

Innovative, solution-driven z/OS technology consultant with over 22 years experience in RACF and MVS Systems Programming.

OBJECTIVE

To provide professional excellence in the Mainframe and Enterprise Security areas through contract work world-wide. Based on the client's requirements, my objectives are:

- To provide complete security solutions using IBM's z/OS Security Server (RACF), Integrated Security Services and Cryptographic Services.
- To build RACF environments for IBM's WebSphere on z/OS.
- To reengineer RACF environments according to security policy and Auditor's requirements.
- To convert subsystems, products and applications to use RACF security.
- To add value to the core business by rationalizing the day-to-day administration and reporting.

ESSENTIAL STRENGTHS

- 18 years experience in RACF Systems Programming in IBM MVS/CICS/DB2/IMS/MQ environments.
- Expert knowledge of RACF (up to z/OS V1.12 Security Server).
- Extensive experience as a Chief RACF Security Analyst responsible for planning the security strategy and controls and implementing them in IBM/MVS installations.
- Achieving results based on efficient leadership, staff motivation skills and excellent communication ability.
- Efficient liaison with clients, users, suppliers and all levels of management.
- Extensive experience in setting Security policies, procedures and guidelines.
- Extensive experience in the development and implementation of security reviews and awareness programs.
- Strong analytical and problem solving skills gained as a research scientist and RACF Systems Programmer.
- Ability to generate new but effective solutions to problems.
- Ability and willingness to make and defend decisions.
- Ability to work hard for meeting tight deadlines and quality standards.

TECHNICAL ENVIRONMENT

RACF for IBM Platforms/OS: z/OS (up to 1.12), z/OS Unix System Services, MVS, CICS, DB2, IMS, WebSphere MQ, WebSphere on z/OS, z/OS Communication Server.

IBM Products/Systems: zSecure, DFSMS, ICSF, ISMF, ISPF, JES2, LDAP, OCSF, Omegamon, OPC, PKI Services, SDSF, SMF, SSL, TSO/E, TCP/IP, Lotus Notes.

Programming Languages and Tools: ACS Routines, Assembler H, CLIST, IDCAMS, JCL, QMF, SQL, RACF Macros and Utilities, REXX.

Non-IBM products: CA-1, CA-7, Jobtrac, SOLVE, TPX, VRA.

PROFESSIONAL EXPERIENCE

Insurance Australia Group, Security Compliance Department, Melbourne VIC 2010

Consultant (zSecure)

Implement Compliance Reporting using CARLA Language of zSecure

Wachovia Bank, zSeries Security Engineering, Charlotte, NC 2004-2007

Consultant (Senior RACF Architect)

Major contributor in the Security design for Online Banking project, Role Based Access RACF group structure and standards and Guidelines for RACF reengineering projects.

Main Achievements:

- Planned and implemented RACF environment for online banking project including WebSphere V6 for z/OS, Java connectors for CICS, IMS and DB2, mutual certificate authentication, ACLs in Unix System Services.
- Initiated the implementation of Role Based Access RACF group structure.
- Proposed standards for creation of RACF environment for started tasks.
- Implemented a procedure to create Digital Certificates using command RACDCERT.
- Planned and implemented RACF security for OMEGAMON suite (MVS, CICS, DB2, IMS and SMS).
- Planned and implemented new RACF features for the z/OS USS environment.
- Converted IMS applications from internal security to RACF.
- Built the RACF environment for WebSphere for z/OS V6.0 running in a sysplex of 4 LPARs and spanning over 6 cells.
- Implemented a procedure for RACF decentralized administration using WebSphere MQ, CICS bridge and Consul zToolkit.
- Helped to install snmpv3 security for Simple Network Management Protocol (SNMP).

ITSO, StartNow Program, IBM Corporation, Austin, TX

2003

RedBook Co-Author

Contributed to the Installation, testing and User's Guide co-authoring for Content Manager for DB2 V8.2 on Windows.

ITSO, IBM Corporation, Poughkeepsie, NY

2003

RedBooks Co-author

- Implemented PKI Services for z/OS. Author of chapters in IBM Redbook on RACF for PKI.
<http://www.redbooks.ibm.com/redbooks/pdfs/sg246968.pdf>
- Proposed streamlined RACF controls for installing z/OS UNIX V1.4. Author of chapters in IBM Redbook on RACF for UNIX on z/OS.
<http://www.redbooks.ibm.com/redbooks/pdfs/sg247035.pdf>
- Proposed streamlined RACF controls for WebSphere V5 on z/OS. Author of chapters in IBM Redbook on RACF security for WebSphere on z/OS.
<http://www.redbooks.ibm.com/redbooks/pdfs/sg246086.pdf>

China Trust Commercial Bank, Taipei

2002

Consultant (Senior RACF Architect)

Conversion from CA Top Secret to RACF

Main achievements:

- Designed Router and CDT tables, ICHRDSNT table for RACF installation.
- Planned and implemented RACF environments based on existing Top secret databases.
- Planned and implemented RACF group structure based on Job-role.
- Designed and implemented RACF environment for DB2, CICS and Changeman.
- Prepared the Security documentation for the above systems.
- Proposed and implemented RACF reports based on ICETOOL.
- Designed RACF panels for decentralized administrators.

IBM GSA, West Pennant Hills, NSW

1998-2002

Consultant (Senior RACF Systems Programmer)

Main Achievements:

- Planned and implemented RACF environments for CICS Transaction Server 1.3 on a range of IBM GSA clients' systems.
- Built brand-new RACF environments for two new customers.
- Comprehensive upgrade of several old systems to world-wide IBM standards (GSD) was factored into the RACF controls.
- Prepared the Security documentation (GSD331) and the Technical Review (Auditor's report) for several

clients' systems.

- Proposed world-wide standards for implementing UNIX on OS390/MVS.
- Installed RACF controls for WebSphere Server and Lotus Domino Server on MVS.
- Introduced RACF reporting using Consul queries (with CARLA language).
- Created templates for RACF Technical Reviews using Consul queries.
- Converted CICS platform for a large client to use RACF security.
- Implemented RACF protection for job submission using SURROGAT class for a large client.
- Planned and implemented expiration of RACF passwords for a large client.
- Planned and implemented Help Desk function using Consul for two large clients.
- Converted SDSF from ISFPARMS to RACF for a large client.
- Refined RACF protection for OMEGAMON and Consul.
- Introduced RACF protection for DB2 using RACF class DSNR.

St George Bank Ltd, Kogarah, NSW

1996-1998

Senior Security Analyst

Main achievements:

- Planned and achieved a smooth merger of the RACF database of Barclays Bank onto the RACF database of St George Bank.
- Coded and installed the RACF RACHECK Postprocessing Exit (ICHRCX02) as a preliminary step to turn PROTECTALL in Failures Mode. The exit allows unrestricted access to foreign cartridges and tapes.
- Pioneered the use of powerful queries over RACF Database downloaded into DB2 tables. This approach fully automated the day-to-day extraction of information from the RACF database and its regular cleanup and maintenance.
- Researched, recommended and installed the Consul/RACF+Audit s/w product. Using the Consul language CARLA, wrote queries for producing the Daily Reports on host security violations.
- Contributed with advice and hands-on training to the professional development of Security team members.
- Made significant improvements to the RACF Group structure to set the ground for migrating toward the use of access groups based on Job Description.
- Planned and achieved a smooth merger of the RACF database of Bank of South Australia with the St George Bank RACF database using the MERGE function of Consul.

EDUCATION

Bachelor of Science in Physics

Masters of Science in Physics of Semiconductors

August 1, 2011